

Message Text

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PAGE 01 MOSCOW 02724 01 OF 02 231659Z

ACTION OES-07

INFO OCT-01 EUR-12 ISO-00 DOE-11 ACDA-12 CIAE-00
DODE-00 PM-05 INR-10 L-03 NSAE-00 NSC-05 SOE-02
SS-15 /083 W

-----001217 231747Z /50

P 231645Z FEB 78

FM AMEMBASSY MOSCOW

TO SECSTATE WASHDC PRIORITY 8201

NASA WASHDC PRIORITY

UNCLAS SECTION 01 OF 02 MOSCOW 02724

NASA FOR TERRELL

E.O. 11652: N/A

TAGS: TSPA, UR, US

SUBJECT: US-USSR SPACE COOPERATION: "E" REGION IONIZATION

SOURCE INVESTIGATION (04.03)

REF: STATE 32591

1. ON FEBRUARY 22 VERESHCHETIN GAVE SCICOUNS PETROV-HINNERS LETTER AND ALEKSANDROV-SCHMERLING LETTER (BOTH DATED FEBRUARY 22) ON SUBJECT EXPERIMENT, WHICH REPLY TO HINNERS-PETROV LETTER CONTINUED IN REF A. INFORMAL EMBASSY SUMMARY AND TRANSLATION OF LETTERS FOLLOW IN PARAS TWO AND THREE BELOW. ORIGINALS POUCHED TO NASA FOR TERRELL, REGISTRY NO. 2076489.

2. HINNERS-PETROV LETTER FOLLOWS BELOW:

DEAR DR. HINNERS:

IN RESPONSE TO YOUR TELEGRAM OF FEBRUARY 3, 1978
I INFORM YOU THAT THE PROPOSED CONDITIONS OF THE JOINT
SOVIET-AMERICAN EXPERIMENT ON STUDIES OF "E" REGION
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PAGE 02 MOSCOW 02724 01 OF 02 231659Z

IONIZATION SOURCES IN THE ATMOSPHERIC ARE ACCEPTABLE TO
US. IN TURN, I AM INFORMING YOU THAT DR. S. I. AVDYUSHIN,
DIRECTOR, THE INSTITUTE OF APPLIED GEOPHYSICS HAS BEEN
NAMED THE SCIENTIFIC SUPERVISOR OF THE PROJECT ON THE
SOVIET SIDE AND DR. G.S. IVANOV-KHOLODNIY, CHIEF, DEPART-
MENT, THE INSTITUTE OF APPLIED GEOPHYSICS HAS BEEN NAMED
SUPERVISOR OF THE PROJECT.

THE SOVIET RESEARCH SHIP "PROFESSOR VIZE" WILL SAIL ON MARCH 25 AND WILL BE IN THE AREA OF THE FLIGHT CENTRE OF WALLOPS ISLAND WITHIN THE PERIOD JUNE 1-25, 1978. DR. L.A. ALEKSANDROV IS SENDING CONCRETE INFORMATION ON THE PLAN OF EXPERIMENT JASPIC DIRECTLY TO DR. SCHMERLING. I PROPOSE THAT SCIENTIFIC SUPERVISORS OF SOVIET AND AMERICAN SIDES SHOULD REPRESENT ACADEMY OF SCIENCES AND HYDROMETSERVICE (USSR SIDE) AND NASA (USA SIDE). SINCERELY, ACADEMICIAN B. N. PETROV.

3. ALEKSANDROV-SCHMERLING LETTER FOLLOWS BELOW:

DEAR DR. SCHMERLING:

SOVIET RESEARCH SHIP "PROFESSOR VIZE" WILL DEPART ON MARCH 25, 1978 AND WILL BE IN THE AREA OF THE FLIGHT CENTRE OF WALLOPS ISLAND WITHIN THE PERIOD JUNE 1 THROUGH 25 FOR CARRYING OUT THE EXPERIMENT. DURING THE EXPERIMENT ABOARD THE RESEARCH SHIP WE PLAN TO CONDUCT 5 ROCKET LAUNCHINGS WITHIN THE PERIOD OF GEOMAGNETIC DISTURBANCE AND UNDER HUM (FONOVIE) CONDITIONS .THE LAUNCHINGS OF ROCKETS MP-12 WILL BE CARRIED OUT AFTER THE SUNSET, WHEN THE ZENITH DISTANCE OF THE SUN IS ABOUT Z (DEGREES) 100 (DEGREES). WE PROPOSE TO CARRY OUT ONE LAUNCHING BY EACH SIDE IN THE FIRST EVENING AFTER THE UNCLASSIFIED

UNCLASSIFIED

PAGE 03 MOSCOW 02724 01 OF 02 231659Z

BEGINNING OF THE GEOMAGNETIC DISTURBANCE, TWO LAUNCHINGS BY EACH SIDE DURING THE NEXT DAY EVENING (WHEN Z (DEGREES) 100 (DEGREES) AND Z (DEGREES) 115 (DEGREES) AND TO LAUNCH THE REST OF THE ROCKETS DURING THE NEXT TWO DAYS IF THE GEOMAGNETIC DISTURBANCE IS OVER. IF THE DISTURBANCE IS NOT OVER THEN THE FIFTH ROCKET SHOULD BE LAUNCHED ON THE NEXT UNDISTURBED DAY. DURING THE EXPERIMENT THE SIDES WILL EXCHANGE LIASON PERSONNEL BETWEEN THE SHIP AND THE FLIGHT CENTRE TO COORDINATE THE LAUNCHINGS, AS OCCURRED DURING THE EXPERIMENT ABOARD RESEARCH SHIP "AKADEMIK KOROLYOV" IN SUMMER 1977.

THE EXPECTED COORDINATES OF THE RESEARCH SHIP "PROFESSOR VIZE" IN THE INTERNATIONAL WATERS DURING THE LAUNCHINGS IN THE AREA OF THE FLIGHT CENTRE OF WALLOPS ISLAND ARE: 37 (DEGREES) 22'N AND 74 (DEGREES) 45'W. IN CASE THERE ARE NO GEOMAGNETIC DISTURBANCES BEFORE JUNE 20, THE "PROFESSOR VIZE" WILL CARRY OUT LAUNCHINGS IN THE EVENINGS JUNE 22-25 WHEN Z (DEGREES) 86 (DEGREES) 100 (DEGREES).

IF YOU AGREE TO THE MENTIONED ABOVE POINTS OF THE
TELEGRAM I ASK YOU TO INCLUDE THEM INTO THE OPERATION
PLAN OF LAUNCHINGS.

I HOPE THAT THE AMERICAN SIDE IN ITS TURN WILL:

1. INFORM THE RESEARCH SHIP OF THE BEGINNING OF THE
GEOMAGNETIC DISTURBANCE, THE DATE OF BEGINNING WORK
AND PROVIDE INFORMATION ON GEOMAGNETIC ACTIVITY.

2. RENDER ASSISTANCE IN ARRANGING VESSEL WARNING AND
WILL CONDUCT RADAR CONTROL OF THE LOCATION OF
VESSELS IN THE ZONE OF LAUNCHINGS.
ON COMPLETION OF THE WORK THE SIDES WILL MEET FOR
UNCLASSIFIED

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PAGE 04 MOSCOW 02724 01 OF 02 231659Z

DISCUSSION OF THE OBTAINED RESULTS.
IN CONNECTION WITH THE FACT THAT THE RESEARCH SHIP
"PROFESSOR VIZE" WILL DEPART ON MARCH 25 I WOULD

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PAGE 01 MOSCOW 02724 02 OF 02 231658Z
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FM AMEMBASSY MOSCOW
TO SECSTATE WASHDC PRIORITY 8202
NASA WASHDC PRIORITY

UNCLAS SECTION 02 OF 02 MOSCOW 02724

APPRECIATE AN EARLY REPLY WITH YOUR OPINION ON THE ABOVE
QUESTIONS.

SINCERELY, L. ALEKSANDROV. MATLOCK

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Message Attributes

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